

JCTLM Reference Methods/Procedures: Examples

Analyte/Parameter		Method capable of traceability of analyte to SI or defined procedure?	Matrix		Method/ Procedure						Applicable Method Concentration Range			Method Expanded Uncertainty Range			Method/Procedure Documentation						Congruent with other critical factors in ISO 75193 (list factors)?						Additional Comments	Contact Information	
			Matrix Category	Applicable Matrices	Identifier/ Number	Name	Organization that developed/validated method	Measurement Technique(s) Used	Comments 1	Comments 2	From	To	Unit	From	To	Unit	Peer Reviewed Publication	How to obtain copy of method if literature publication is not available	CCQM Key Comparison Report		Non-CCQM Interlab Comp. Report									Name	
metabolites & substrates	glucose	SI	blood serum	lyophilized, fresh, or frozen serum		NIST definitive Method for Serum Glucose	NIST	ID/GC/MS	butyboronate acetate derivation	Calibrate with SRM 917b, High Purity Glucose	2	20	mmol/L	0.5	1.5	% relative	Biomed Mass Spectrom 9, 395-405 (1982)		CCQM-K11										Willie May		
metabolites & substrates	cholesterol	SI	blood serum	lyophilized, fresh, or frozen serum		NIST definitive Method for Serum Cholesterol	NIST	ID/GC/MS	trimethylsilyl derative	Calibrate with SRM 911b, high purity cholesterol	2	10	mmol/L	0.5	1	% relative	Anal Chem 61, 1718-1723 (1989)		CCQM-K6; http://www.bipm.org/pdf/final_reports/QM/K6/CCQM-K6.pdf									Willie May			
enzymes	GGT	procedurally-defined	blood serum	lyophilized, fresh, or frozen human serum or plasma		IFCC Reference Method	IFCC Reference Method for Enzymes at 37C	Spectrophotometric	Reaction at pH 7.7		change in abs.>0.2 /min		U/l						IRMM/IFCC 452									G. Schumann	schumann.gerhard@mh-hannover.de		

